Human/Mouse RORγt/RORC2/NR1F3 Alexa Fluor® 647-conjugated Antibody

Recombinant Monoclonal Rabbit IgG Clone # 1181A
Catalog Number: IC9125R
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects recombinant human RORγt/RORC2/NR1F3 by direct ELISAs and detects human and mouse RORγt/RORC2/NR1F3 in flow cytometry.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1181A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	*E. coli*-derived recombinant human RORγt/RORC2/NR1F3 Met1-Gln100 Accession # P51449
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25-1 µg/10^6 cells	Human peripheral blood mononuclear cells (PBMCs) stimulated to induce Th17 cells and mouse splenoctyes stimulated to induce Th17 cells were fixed and permeabilized with FlowX FoxP3 Fixation & Permeabilization Buffer Kit (Catalog # FC012)

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Retinoic acid-related Orphan Receptor gamma (RORγ, TOR, RORC; NR1F3) is a member of the orphan nuclear receptor family. RORγ is expressed in the muscle, thymus, testis, pancreas, prostate, heart, and liver. RORγ plays a role in thymocyte development and homeostasis. RORs bind to DNA as monomers on half-site elements with 5' A/T-rich extensions. An N-terminal isoform of RORγ, RORγt, has been shown to be specifically expressed in the thymus.

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